No. 8000055

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Minnesota Agricultural Experiment Station

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW,* [THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM,] TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

*[Waived]

SPRING OATS

'Benson'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 17th day of June in the year of our Lord one thousand nine hundred and eighty-two.

Attest:

Kenneth A. Evans
Acting
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

John R Block
Secretary of Agriculture

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: *See Reverse.*

FORM APPROVED
OMB NO. 40-R3822

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1a. TEMPORARY DESIGNATION OF VARIETY	1b. VARIETY NAME	FOR OFFICIAL USE ONLY
Mn 71211	Benson	PV NUMBER 8000055
2. KIND NAME: Spring oats	3. GENUS AND SPECIES NAME: Avena sativa	FILING DATE 2/15/80 · TIME 4:00 A.M. (P.M.)
4. FAMILY NAME (BOTANICAL): Gramineae	5. DATE OF DETERMINATION: release December 20, 1976 ⊘ 9/24/81 February 15, 1979	FEE RECEIVED $ 500.00 $ 250.00 · DATE 2/15/80 4/27/82
6. NAME OF APPLICANT(S): Minnesota Agricultural Experiment Station	7. ADDRESS (*Street and No. or R.F.D. No., City, State, and ZIP Code*): University of Minnesota, 220 Coffey Hall, 1420 Eckles Avenue, St. Paul, MN 55108	8. TELEPHONE AREA CODE AND NUMBER: 612/373-0751

9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (*Corporation, partnership, association, etc.*)	10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION	11. DATE OF INCORPORATION
Agricultural Experiment Station		

12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS:

D. D. Stuthman, Department of Agronomy, 1509 Gortner Avenue, University of Minnesota, St. Paul, MN 55108

13. **CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:**

- [X] 13A. Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*
- [X] 13B. Exhibit B, Novelty Statement.
- [X] 13C. Exhibit C, Objective Description of the Variety *(Request form from Plant Variety Protection Office.)*
- [X] 13D. Exhibit D, Additional Description of the Variety.

14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See Section 83(a). (If "Yes," answer 14B and 14C below.)* [X] YES [ ] NO

14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?	14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED?
[XX] YES [ ] NO	[X] FOUNDATION [X] REGISTERED [X] CERTIFIED

15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? [ ] YES [X] NO *(If "Yes," give name of countries and dates.)*

15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? [ ] YES [X] NO *(If "Yes," give name of countries and dates.)*

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? [X] YES [ ] NO

17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

2/13/80 (DATE) — (SIGNATURE OF APPLICANT)

(DATE) — (SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and $500 fee ($250 filing fee and $250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

5 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.

13a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.

13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.

13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.

13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.

14a If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)

15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

OATS

'BENSON'

8000055

13A. Exhibit A

Pedigree Portage/Burnett

The cross 'Portage'/'Burnett' was made in 1964 under the direction of Dr. R. A. Kleese. From F_2 to F_5, the progeny was advanced via Single Seed Descent using both field and off-season greenhouse nurseries. The entire F_5 plant was harvested and an F_6 plant row grown in the field in the summer of 1966. The F_7 generation ended up being only seed increase because of a hail storm. In 1968 and 1969 the progeny were evaluated in replicated hill (micro) plots at St. Paul and Morris, Minnesota, respectively. The F_{10} generation (1970) was the first to be evaluated in a replicated multiple row plot, single location nursery. In 1971 and 1972 Benson was evaluated in a replicated multiple row, multiple location nursery. In 1973, state wide testing was initiated and in 1974 regional (Uniform Midseason Oat Performance Nursery) was begun. In 1974 Benson was also entered into the IORN (International Oat Rust Nursery).

Benson appeared stable and uniform during our seed increase program. No offtypes are evident." And continues to do so during course of production" D 2/09/82

Exhibit A. During early generations, F_2 - F_7, there was no intentional selection within the population that produced Benson. Specifically, the meaning of Single Seed Descent is that every seed or plant is treated equally with respect to the next generation. Starting in 1968, i.e., F_8, the principal selection criteria was grain yield with some consideration for seed quality, principally appearance. In 1970, lodging resistance and disease resistance, especially crown rust reaction, and test weight were also rated.

Photocopy of two originals D 9/24/81

Oats

Benson

13B Exhibit B Novelty Statement

Appearance-wise, Benson does not look like any of the cultivars currently grown in the upper midwest. Commonly used cultivars which are most similar to Benson in performance, especially heading, ~~Include~~ are Noble, Lyon, Ogle, Chief, Lancer, and Stout. Of these Benson, Lyon and Noble are resistant to smut when inoculated with a bulk of smut collected from Minnesota commercial field and nursery plots. The others are very susceptible. Benson can be distinguished from Noble on the basis of hull color. Referring to the Munsel Book of Color the hull colors are: D2/16/82

Noble	Hue 2.5y	6/18
Benson	Hue 2.5y	8/4

Benson can be most easily distinguished from Lyon on height as it usually is four or more inches shorter. (97 vs 107 cm)

D3/16/82

FORM APPROVED: OMB NO. 40-R3712

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782

EXHIBIT C
(Oat)

OBJECTIVE DESCRIPTION OF VARIETY
OAT
(Avena spp.)

NAME OF APPLICANT(S)	VARIETY NAME OR TEMPORARY DESIGNATION
Minnesota Agricultural Experiment Station	Benson - Mn 71211
ADDRESS *(Street and No., or R.F.D. No., City, State, and ZIP Code)* University of Minnesota, 220 Coffey Hall 1420 Eckles Avenue St. Paul, MN 55108	FOR OFFICIAL USE ONLY PVPO NUMBER 8000055

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. [0][8][9] or [0][9]) when number is either 99 or less.

1. SPECIES:

[1] 1 = SATIVA 2 = BYZANTINA 3 = OTHER *(Specify)* _____

2. GROWTH HABIT:

[3] 1 = WINTER 2 = SEMIWINTER 3 = SPRING

[3] JUVENILE GROWTH: 1 = PROSTRATE 2 = SEMIPROSTRATE 3 = ERECT

STANDARD VARIETIES

1 = JAYCEE 2 = CLINTLAND 64 3 = CAYUSE 4 = NORLINE 5 = YANCEY 6 = FLORIDA 501

3. MATURITY (50% flowering):

[2.5] DAYS EARLIER THAN Lodi [ ] STANDARD VARIETY [ ][ ] DAYS LATER THAN.... [ ] STANDARD VARIETY

[3] Season: 1 = VERY EARLY (Jaycee) 2 = EARLY (Nodaway 70) 3 = MIDSEASON (Clintford)
4 = LATE (Lodi) 5 = VERY LATE (Garry) 6 = EXTREMELY LATE (Mackinaw)

4. PLANT HEIGHT (From soil level to top of head):

[ ][9][3] CM. TALL

[1][1] CM. SHORTER THAN.... Lodi [ ] STANDARD VARIETY
[ ][ ] CM. TALLER THAN ..... [ ] STANDARD VARIETY

5. STEM:

[2] DIAMETER: 1 = FINE (Kherson) 2 = MEDIUM (Clintford) 3 = COARSE (Nodaway 70)

[1] HAIRINESS AT UPPER CULM NODES: 1 = HAIRLESS 2 = HAIRY

[1] MATURE STEM COLOR: 1 = YELLOW 2 = REDDISH

6. LEAF: (Leaf Color: The Royal Horticultural Society's or any recognized color chart should be used to determine the leaf color of the described variety.)

[1] CARRIAGE: 1 = DROOPING (Random) 2 = ERECT (Walken)

[2] COLOR: 1 = YELLOW GREEN 2 = LT. GREEN 3 = DK. GREEN 4 = BLUE GREEN

[1][1] MM. WIDTH (First leaf below flag leaf)

[1] LEAF MARGIN: 1 = GLABROUS 2 = CILIATE

[2] LIGULE: 1 = ABSENT 2 = PRESENT

[1] LEAF SHEATH: 1 = HAIRLESS 2 = HAIRY

7. HEAD:

[1] PANICLE SHAPE: 1 = EQUILATERAL 2 = INTERMEDIATE 3 = SIDE PANICLE (Unilateral)

[1] ATTACHMENT OF LOWER WHORL OF BRANCHES: 1 = FIRST NODE 2 = SECOND NODE (False node)

[1] PANICLE SIZE: 1 = SMALL (Yancey) 2 = MEDIUM (Walken) 3 = LARGE (Markton)

[1] PANICLE WIDTH: 1 = NARROW (Gopher) 2 = MIDBROAD (Yancey) 3 = BROAD (Nodaway 70)

[ ][ ] CM. PANICLE LENGTH [16 - 20] NUMBER OF BRANCHES [ ][5] NUMBER OF WHORLS OF BRANCHES

[2] POSITION OF BRANCHES: 1 = ASCENDING (Yancey) 2 = SPREADING (Cayuse) 3 = DROOPING (Markton)
4 = PECTINATE (White Tartar) 5 = CONFUSED (Storm King)

8. RACHIS:

[1] 1 = RECURVED (Yancey) 2 = ERECT (Walken) — ✓ 9/24/81

[3 0] MM. SECOND FLORET RACHILLA SEGMENT LENGTH — ✓ 9/24/81

[1] SECOND FLORET RACHILLA SEGMENT: 1 = HAIRLESS 2 = HAIRY — ✓ 9/24/81

[ ] RACHILLA HAIRS: 1 = SHORT 2 = LONG

9. SPIKELET:

[2] SPIKELET SEPARATION BY: 1 = ABSCISSION 2 = SEMIABSCISSION 3 = FRACTURE

[2] ~~FLORET SEPARATION BY:~~ Rachilla 1 = ~~DISARTICULATION~~ short wide 2 = ~~HETEROFRACTURE~~ long narrow 3 = BASIFRACTURE
Basifracture ✓ 9/24/81

[ ] FLORETS PER SPIKELET (mean no.)

10. GLUMES: (Glume Color: The Royal Horticultural Society's or any recognized color chart should be used to determine the color of the described variety.)

[ ] MM. WIDTH [ ] MM. LENGTH [ ] NO. OF VEINS ON GLUMES [1] COLOR: 1 = WHITE 2 = YELLOW 3 = RED 4 = STRIPED

11. LEMMA: (Lemma Color: The Royal Horticultural Society's or any recognized color chart should be used to determine the color of the described variety.)

[ ] MM. LENGTH

[6] COLOR: 1 = WHITE 2 = YELLOW 3 = RED 4 = GRAY 5 = BLACK 6 = cream

[ ] HAIRINESS OF DORSAL SURFACE: 1 = HAIRLESS 2 = HAIRY

12. AWN (First floret):

[1] OCCURENCE: 1 = ABSENT (Walken) 2 = INFREQUENT (Yancey) 3 = COMMON (Chilocco) 4 = FREQUENT (Random)

[ ] TYPE: 1 = NON-TWISTED 2 = TWISTED 3 = TWISTED GENICULATE

[ ] MM. AWN LENGTH

13. SEED:

[1] FLORESCENCE UNDER ULTRAVIOLET LIGHT: 1 = FLORESCENT 2 = NON-FLORESCENT

[ ] BASAL HAIR: 1 = ABSENT (Florida 501) 2 = ABSENT TO FEW (Yancey) 3 = FEW TO SEVERAL (Lee) 4 = SEVERAL TO NUMEROUS (Florilee) 5 = NUMEROUS (Red Rustproof)

[ ] MM. BASAL HAIR LENGTH

[2 9 2] GMS. PER 1,000 SEEDS

[2 2] MG. GROAT WEIGHT (each)

[1 9 0] % GROAT PROTEIN

[6 6] % GROAT OIL

14. INSECTS: (0 = NOT TESTED, 1 = SUSCEPTIBLE, 2 = RESISTANT)

[0] CEREAL LEAF BEETLE [0] BLUEGRASS BILLBUG [0] GRAIN BUG (C. Sayi) [0] NEMATODE (Type) _____

[0] GREEN BUG (Biotype) _____ OTHER (Specify) _____

15. DISEASE: (0 = NOT TESTED, 1 = SUSCEPTIBLE, 2 = RESISTANT)

[0] HALO BLIGHT [0] POWDERY MILDEW [0] SEPTORIA LEAF BLOTCH [0] SOIL-BORNE MOSIAC

[0] HELMINTHOSPORIUM LEAF BLOTCH [1] YELLOW DWARF VIRUS [0] VICTORIA BLIGHT [ ] OTHER (Specify) _____

SPECIFY RACES TESTED:	RACES SUSCEPTIBLE	RACES RESISTANT
[ ] CROWN RUST		239, 240, 326; hetero for 202
[ ] STEM RUST		has genes Pg 1, 2 and 4 ✓ 6/16/80
[ ] COVERED SMUT		
[ ] LOOSE SMUT		Minnesota composite MR Wisconsin MR Wisconsin " " "Lodi" strain

16. INDICATE VARIETY YOU BELIEVE MOST CLOSELY TO RESEMBLE THAT SUBMITTED:

CHARACTER	VARIETY	CHARACTER	VARIETY
PLANT TILLERING	?, Portage	LEAF COLOR	Burnett
LEAF SIZE	?, Portage	LEAF CARRIAGE	?, Portage
SEED COLOR	lighter than Burnett	SEED SHAPE	Burnett

5

COMMENTS:

rec'd 2/15/80 4:00 p.m.

FORM GR-470-35 (REVERSE)

OATS

'BENSON'

13D. Exhibit D. Additional Description of 'Benson'

'Benson' is a spring oat, Avena sativa L.

'Benson' is approximately equal to Lyon in heading date, but somewhat shorter, ca 6 cm. At heading the plant color is light green and usually the plants produce a rather petite upper canopy.

The hull of Benson is cream colored and fluoresces under ultraviolet light. Spikelet separation is by semiabscission and the rachilla is long and narrow. The leaves are somewhat droopy. A ligule is present. The stems are medium sized, hairless at the upper nodes, and yellow in color when mature. The panicle is small and narrow and equilateral in shape with spreading branches. At maturity the glumes are white.

Performance data from the last three years of state-wide testing are given in the enclosed tables (from page 17 of the 1980 Edition of Variety Trials of Farm Crops, Misc. Report 24, Agricultural Experiment Station, University of Minnesota).

Minnesota's three newest oat varieties and their breeder, agronomist D. D. Stuthman.

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Table 19. Yield of oat varieties in bushels per acre 1977-79

Variety	Rosemount	Waseca	Lamberton[1]	Morris[2]	Crookston[1]	Grand Rapids	Stephen	Average
Noble	84	94	88	93	104	69	109	92
Lancer[2]	91	105	86	95	106	60	115[3]	94
Benson	92	99	91	105	107	66	114[2]	96
Lyon	87	90	92	102	110	59	114	93
Moore	98	89	95	105	129	73	130	103
Otana[2]	58	76	64	77	138	66	142	91
Lodi	90	80	75	98	116	62	113	91
Marathon	99	96	94	106	117	63	125[3]	100
LSD 5%	7	9	8	8	10	8	8	3

[1]1977-78. [2]1978-79. [3]1979.

Table 20. Characteristics of oat varieties, 1977-79

Variety	Heading (June)	Height (inches)	Lodging (score)[1]	Test weight/bushel (pounds)	Groat (percent)	Protein percent[2]		Protein/ acre (pounds)	Reactions to disease[3]	
						groat	seed		Crown rust	Smut
Noble	22	34	2.0	38	75	17.0	12.6	355	S	R
Lancer	23	35	1.8	38	77	18.8	14.6	439	S	S
Benson	23	38	2.9	37	74	18.0	13.3	398	MR	R
Lyon	25	42	2.6	38	75	18.0	13.5	394	MR	R
Moore	27	40	2.2	38	75	16.3	12.2	387	MR	MR
Otana	27	41	3.5	33	70	15.7	10.9	292	MR-MS	S
Lodi	28	44	2.5	36	72	17.5	12.7	360	S	S
Marathon	29	41	2.2	37	74	19.0	14.1	432	R	S

[1]1 = erect, 5 = flat. [2]8 percent moisture. [3]R = resistant, MR = moderately resistant, MS = moderately susceptible, and S = susceptible.

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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
Livestock, Poultry, Grain & Seed Division
National Agricultural Library
Beltsville, Maryland 20705

PLANT VARIETY PROTECTION OFFICE

Gentlemen:

Subject: Application No. 8000055
Variety and Kind - 'Benson' Oat

As provided in section 83(a) of the Plant Variety Protection Act, 7 U.S.C. 2321, we request that the Certificate on the above variety be issued with a notation on each Certificate that the right to exclude others from selling, offering for sale, reproducing, importing or exporting the variety covered by this Certificate, or using it in producing a hybrid or different variety is waived.

It has been agreed that the certificate should be issued in the name(s) of:

Minnesota Agricultural Experiment Station

8/31/87
(Date)

(Signature)

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION
NATIONAL AGRICULTURAL LIBRARY BUILDING
BELTSVILLE, MARYLAND 20705

August 11, 1982

AS-14913

Subject: Seed Sample of Protected Variety
Certificate No. 8000055
Kind and Variety - Oats, 'Benson'
Breeder - Minnesota Agricultural Experiment Station

To: National Seed Storage Laboratory
Fort Collins, CO 80521

Attached is the above-identified sample and an Objective Description of Variety form in accordance with our Memorandum of Understanding and as agreed upon during my visit with Dr. Louis Bass on June 12, 1972.

One copy of this duplicate form showing the result of your germination test on 100 seeds of pure seed of this sample should be returned to this Office. Return of the duplicate form will serve as acknowledgement of receipt of the sample.

Germination: 98 % Date: 10/82

Sincerely,

Bernard M. Leese
Commissioner
Plant Variety Protection Office

Attachment

In duplicate

O.K. Ecs
1/17/83

16758